

Datasheet
Description

Farran Technology offers the FBC series of down converters for use as frequency extenders for noise figure measurement test system. The FBC-FB-XX is a fullband system can be built upon an Agilent N8975A Noise Figure Analyzer (NFA) or X-Series Signal Analyzers with Option N9069A. The system allows the user to extend the frequency range of the NFA to allow for accurate noise figure measurements to be performed on a device covering Ka, U, V, E, W bands (26.5-110 GHz), when used with an Agilent E8247C signal generator (or equivalent).

The FBC-15-FB covers the full V band 50 – 75 GHz.

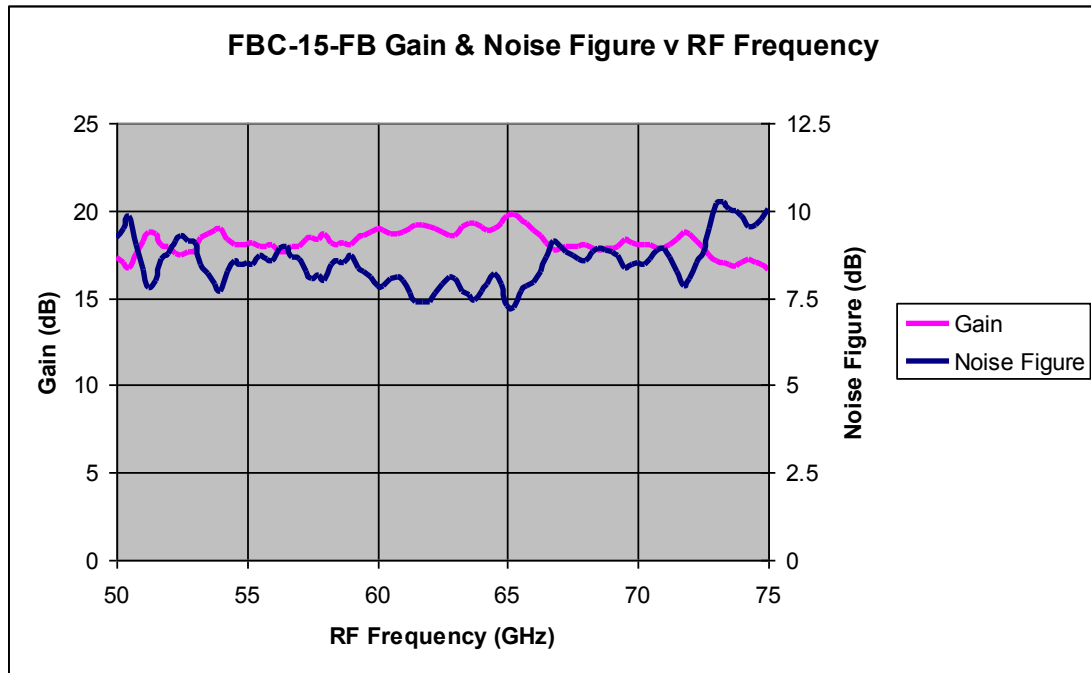

Features

- Full band noise figure measurements
- Compatible with Agilent NFA
- Compatible with Agilent PXA with noise figure personality
- Low noise figure for high system accuracy
- Convenient packing to match the VNA frequency extension

Applications

- Frequency extenders for noise figure measurement systems
- Communications
- OEM test instrumentation
- EW and ECM systems
- Radar front ends

Specification	Unit	Min	Typ	Max
System Operating Frequency	GHz	50		75
System Conversion Gain	dB	+10		
System Noise Figure	dB		13	16
IF Output Frequency	MHz		11.139	
LO Input Frequency	GHz	12.5		18.75
LO Input Power	dBm	+5		+10
Test Port Damage Level	dBm	+5		
Test Port Interface	-	WR-15 UG-385/U		
LO Connector	-	SMA 3.5 mm (F)		
IF Connector	-	SMA 3.5 mm (F)		
Power Requirements	-	240/110 V AC		
Weight	kg		3.5	
Dimensions (L x W x H)	-	290 x 120 x 90		

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Notes:

Farran Technology reserves the right to change, without notice, the characteristic data and other specifications applied to this product. The product may be subject to Irish export restrictions.